

<p>94-071845/09 B04 (B05) NIOF 92.07.07 NIPPON OILS & FATS CO LTD *JP 06024999-A 92.07.07 92JP-201782 (94.02.01) A61K 35/78, 9/127, 9/50 Liposome prepn. - Includes use of extract of ginkgo leaves in liposome, for increasing stability in blood flow C94-032532 Addnl. Data: NIPPON GREEN WAVE KK (NIGR-)</p>	<p>B(4-A8C, 4-A9A, 4-A10B, 5-B1B, 12-M11F, 14-F2)</p>
<p>Liposome prepn. Includes use of extract of ginkgo leaves in the liposome, where the membrane lipid is composed of neutral phospholipid contg. lipid. Also the particle size of the liposome is 0.08-5 micron dia., and pH of water layer in the liposome is 6.0-9.0. Powdered liposome prepn. is obtd. by lyophilising or spray drying and liposome prepn. is also claimed. USE/ADVANTAGE - The prepn. can inhibit phase sepn., aggregation, and denaturation or decomposition of the active component of the extract, extremely low. It can increase the effect of the extract and also stability in the blood flow can be increased. In an example, 50 ml vol. round bottomed flask, 150 mg dimyristoyl phosphatidylcholine and 61 mg dimyristoyl phosphatidylglycerol were charged, followed by adding 10 ml ethanol and by warming to dissolve well. To this, 10 ml (concn. 5%) of ethanol extract of ginkgo leave extract were mixed, followed by removing ethanol in vacuo to form thin membrane on the wall of the flask. After vac. drying for 24 hrs., 20 ml Tris-HCl buffer (pH 7.4)</p>	<p>was added and swelled for 5 min., 5 g glass beads were added, and shaken for 15 min. and removed. Next, the dispersion soln. was treated by polycarbonate equipped extruder. Particle size of the liposome prepn. was 0.2 +/- 0.01 micron dia pH was 7.4. Concn. of lipid was 2.08% and of the extract was 4.9%. (6pp Dwg.No.0/0)</p>